

Reteaching—Chapter 1

Lesson 1.1

1. 30, 38
2. 45, 53
3. 8, 3
4. 8, 2
5. 48, 56
6. 85, 82
7. 65, 81
8. 36, 49
9. -48, -60
10. -28, -33
11. 49, 71
12. -21, -32
13. 12, 18, 27
14. 8, 11, 15, 20, 26

Lesson 1.2

1.

x	1	2	3	4	5
y	8	16	24	32	40

2.

x	1	2	3	4	5
y	11	17	23	29	35

3.

x	1	2	3	4	5
y	25	24	23	22	21

4.

x	1	2	3	4	5
y	120	60	40	30	24

5.

x	1	2	3	4	5
y	6	11	16	21	26

6.

x	1	2	3	4	5
y	-4	-9	-14	-19	-24

7. $x = 4$

8. $x = 9$

9. $x = 7$

10. $x = 12$

11. $x = 15$

12. $x = 18$

13. $4x = 18$; \$4.5

14. $5 + 3x = 17$; 4 hours

Lesson 1.3

1. 14

2. 4

3. 21

4. 4

5. 12

6. 12

ANSWERS

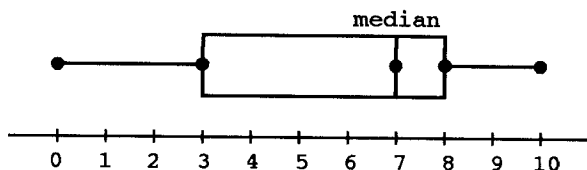
5. 180 people
6. 150 people
7. 13 people
8. rock

Lesson 4.6

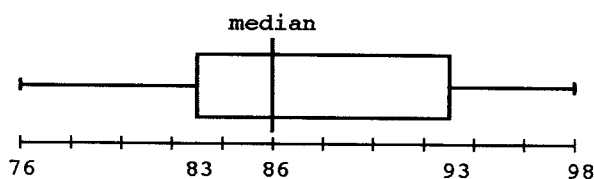
1. 30
2. 84
3. 82.9
4. 80

Stems	Leaves
6	5
7	0 0 2
8	0 0 0 2 6 6
9	0 0 2 4 5 5

5. 0; 10; 7; 3; 8



6. 76; 98; 85.5; 83; 93



Reteaching—Chapter 5

Lesson 5.1

1. function
domain: 1.3, 3.1, 10, 12
range: -1.3, 2.3, 10, 21
2. function
domain: 1, 2, 3, 4, 5, 6
range: 64, 32, 16, 8, 4, 2

3. not a function
domain: -3, -5, 8, 10
range: 7, 8
4. function
domain: 18, 20, -20, -7, 8
range: 11, 12, -8, -1.5

5. $y = 32$ and $x = \frac{3}{2}$

6. $y = -30$ and $x = -\frac{63}{2}$

7. $y = 6x - 1$

8. $y = 4x + 0.4$

Lesson 5.2

1. negative
2. positive
3. undefined
4. 0
5. $\frac{1}{2}$
6. -2
7. 1
8. -1
9. 2
10. $\frac{1}{2}$
11. $\frac{3}{5}$
12. $-\frac{4}{7}$

Lesson 5.3

1. $\frac{4}{3}$
2. $\frac{1}{3}$
3. 2

ANSWERS

4. Answers may vary. Sample answer:
Use a number cube as a random generator.
Let 1 represent red, 2 represent green,
3 represent yellow, 4 represent blue,
5 represent tan, and 6 represent dark
brown. Each roll of the cube represents
one trial. Generate 30 trials and record
the results.
5. Answers may vary. Sample answer:
Use a number cube and a coin as random
generators. Let 1 or 2 represent rain on
Saturday and let 3, 4, or 5 represent no
rain. A roll of 6 means to roll again. A coin
could be flipped for Sunday's result, using
heads for rain and tails for no rain. Each
pair of results would represent one trial.
Generate 20 trials and record the results.

Reteaching—Chapter 14

Lesson 14.1

1. function
2. not a function
3. function
4. function
5. 38
6. -8
7. -15
8. $\frac{1}{9}$
9. not a function
10. function

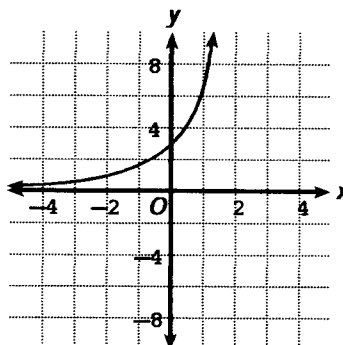
Lesson 14.2

1. (-1, 4)
2. (9, 9)
3. (-10, 11)
4. (3, 2)

5. (13, 23)
6. (-17, 9)
7. $y = 2^x$; vertical translation 3 units up
8. $y = \frac{1}{x}$; vertical translation 2 units down
9. $y = x^2$; vertical translation 2 units up
10. $y = |x|$; vertical translation 4 units down
11. $y = 10^x$; horizontal translation 2 units to the right
12. $y = |x|$; horizontal translation 3 units to the left
13. $y = x^2$; horizontal translation 4 units to the right
14. $y = x^2$; vertical translation 3 units down

Lesson 14.3

1. $y = \frac{1}{x}$; scale factor of 3
2. $y = x^2$; scale factor of $\frac{1}{5}$
3. $y = |x|$; scale factor of 3
4. $y = 10^x$; scale factor of 2
5. The graph is stretched vertically by 3;
it rises more sharply.



Answers

Lesson 14.1

Level A

1. no; Each x -value of 5 is paired with two y -values.
2. yes
3. no; Each x -value of 0 is paired with two y -values.
4. yes
5. 1, 13, -3
6. 1, 5, 3
7. 2, 50, 18
8. 2, -4 , 4
9. 2, 4, 4
10. -3 , -75 , -27
11. $y = x$
12. $y = x^2$
13. $y = |x|$
14. $y = x^3$
15. $y = \frac{1}{x}$
16. $y = \sqrt{x}$

Lesson 14.1

Level B

1. yes
2. yes
3. no; Each x -value of 1 is paired with two y -values.
4. no; Each x -value of -2 is paired with two y -values.
5. yes; Each x goes to only one y .

6. no; The x -value 2 goes to the y -values 2 and -2 , the x -value 4 goes to the y -values 4 and -4 .

7. no; The x -value -2 goes to the y -values 4 and -2 , the x -value 1 goes to the y -values 4 and -3 .

8. -5

9. -4

10. $-4\frac{3}{4}$

11. -1

12. -4

13. 20

14. 40

15. 18

16. $\frac{-1}{3}$

17. 5

18. $f(x) = \frac{1}{x}$

19. $f(x) = \sqrt{x}$

20. $f(x) = x^2$

Lesson 14.1

Level C

1. Sample answer: $\{(0, 5), (1, 5), (1, 3), (2, 1)\}$

2. Sample answer: $f(x) = x + 2$

3. Sample answer:

